

# DEEP RABADIYA

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[Portfolio](#)

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## EDUCATION

**M.Sc. Agriculture Analytics** (CPI: 7.8/10.00)

Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT) & IIRS-ISRO & AAU

**B.Sc.(Hons) Agriculture** (CPI: 7.8 /10.00)

Junagadh Agricultural University (JAU)

## SKILLS

**Area(s) of Interest** | Geo-spatial Analysis , Remote Sensing and GIS, Machine Learning

**Programming Languages** | Python, SQL, R

**Tools and Technologies** | ArcGIS, QGIS, ERDAS IMAGINE, SNAP, Envi, Google Earth Engine, PostgreSQL, Power BI, Advance Excel, SciKit-Learn, Keras, Ms-Office

## EXPERIENCE

- **Remote Sensing and GIS Analyst** | (Semantic Technologies and Agritech Services Pvt Ltd, Pune, Maharashtra) | **May-July 2024**
- **Machine Learning Intern (remote)** | (Coding Samurai) | **March 2024 – April 2024**
- **Machine Learning Intern (remote)** | (Mentorless) | **March 2024**

## PROJECTS

- **Land Cover Change Detection (Deforestation)** | Python, Machine Learning, ArcGIS, Qgis, Rasterio Library | **Dr. Ranendu Ghosh**
- **Crop Yield Estimation and Crop Area Acreage Calculation** | Erdas Imagine, ArcGIS, Google Earth Engine | **Amnex**
- **Soil erosion/salinity estimation from satellite using advanced statistical learning** | Python, Machine Learning, ArcGIS | **Justin George & Prabahakar Alok Verma**
- **NPK Detection and Inventory Management System** | Python | **Dr. Amit Mankodi**
- **Soil Moisture Prediction** | Machine Learning | **Dr. Kamal Panday**
- **Crop Recommendation System** | PostgresML, Various ML Algorithms, VS Code, Streamlit | **Mr. Kapil Oberai**
- **Web GIS (Web Mapping Of Ramsar Sites of India)** | GeoServer, HTML, Javascript, Postgres | **Nascent Infotech**

## CERTIFICATIONS

Microwave Data Processing and Applications by **Space Application Centre, ISRO**

Spatial Analysis with ArcGIS Pro by **ESRI, India**

Application of Advanced Geospatial Technologies in Agriculture with special reference to Crop Yield Modelling and Agromet Parameter Retrieval by **Amnex Infotechnologies**

Application of Geoinformatics in Ecological Studies by **IIRS, ISRO**

Advance Excel, Power BI and Tableau by **The Pioneer Tech**

Developing Web-based Geographical Information Systems by **Nascent**

## POSITIONS OF RESPONSIBILITY

**National Service Scheme (NSS)** | **Feb 2020**

During NSS, I actively participated in initiatives such as cleanliness drives, awareness campaigns, and educational programs as well as organizing a health camp in a rural village.

## INTEREST

Palying Badminton

Playing kho-kho

Travelling